Process for preparing higher-valence nickel oxides for electrical accumulators in a chemical manner

Patent number:	DE3513119
Publication date:	1986-10-23
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Classification:	
- international:	C01G53/04; H01M4/52
- european:	C01G53/04, H01M4/52
Application number:	DE19853513119 19850412
Priority number(s):	DE19853513119 19850412

Abstract of **DE3513119**

The process utilises the reactivity of amorphous, non-magnetic nickel powder to be converted directly, by oxidation with ozone, into higher-valence, electrochemically active nickel oxides. The reaction medium used for this purpose is an aqueous alkaline solution of single or mixed alkali metal hydroxides. The reaction takes place at a pH greater than 8. Good mixing of the reactants is ensured by stirring or vibration. The reaction proceeds at room temperature and, if suitable equipment is used, achieves nearly 100%.